

ABSTRACT OF THE DISCLOSURE

There are provided a pulse detection device in which an ultrasound transmitting piezoelectric element and an ultrasound receiving piezoelectric element are precisely placed to limit variation in quality, and a method of manufacturing the pulse detection device. Further, the pulse detection sensitivity is improved in the pulse detection device. In the pulse detection device of the present invention, a transmitting piezoelectric element excited in accordance with a drive signal to generate ultrasound and to transmit the ultrasound into a living body, and a receiving piezoelectric element for receiving reflected waves of the ultrasound transmitted into the living body and reflected by a bloodstream in the living body are placed on a surface of a transmitting/receiving base plate. A processing computation section compares the frequency of the ultrasound generated by the transmitting piezoelectric element and the frequency of the reflected waves received by the receiving piezoelectric element to detect a pulse.